

1. PRODUCT NAME, NUMBER, SYNONYM: Skydrol LD
2. MANUFACTURER'S NAME: Monsanto Company
3. MANUFACTURER'S ADDRESS: 800 N. Lindbergh Blvd., St. Louis, Mo. 63166
4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: No special precautions required. Absorb liquid in rags or oil absorbent compound and wash area with detergent and water.
5. TRANSPORTATION AND STORAGE REQUIREMENTS: No special precautions required.
6. FIRST AID TREATMENT:
- A. SKIN CONTACT: Wash with soap and water
- B. EYE CONTACT: Flush eyes with copious quantities of water for at least 15 minutes. Refer patient to physician if irritation develops.
- C. INHALATION: Not likely to occur. In case of exposure to heavy mist concentration treat symptomatically for respiratory tract exposure.
- D. ANTIDOTE IN CASE OF SWALLOWING: Induce vomiting and refer to physician.
7. PHYSIOLOGICAL PROPERTIES:
- A. ACUTE ORAL TOXICITY: LD₅₀ in rats approximately 1440 mg/kg
- B. LOCAL EFFECTS UPON EYES: Undiluted sample classed as a mild irritant in rabbits eyes - eye was normal after 24 hours.
- C. LOCAL EFFECTS UPON SKIN: Undiluted sample classed as a moderate skin irritant to intact rabbit skin. Material produced defatting of the skin.
- D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): Classed as practically non-toxic to rats at ambient temperature. All test rats survived 6 hr. exposure and 10 day observation period.
- E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): Mild odor at ambient temp. Mist.
- F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): Not established. Can cause mild to moderate irritation of eyes and upper respiratory tract.
8. CHEMICAL AND PHYSICAL PROPERTIES:
- A. SPECIFIC GRAVITY (WATER = 1) .99
- B. VAPOR DENSITY (AIR = 1) _____
- C. VAPOR PRESSURE mm Hg AT 25°C. 6
- D. pH _____
- E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRIC
Satisfactory with those aircraft materials specified for use with fire resistant aircraft hydraulic fluids.

F. DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO AIR? WATER? HEAT? STRONG OXIDIZERS? No

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT
Phosphate esters	about 90%
Additives	about 10%

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? No

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE:

10. RECOMMENDED PROTECTIVE EQUIPMENT: None

11. A. FLASHPOINT °F: CLOSED CUP _____; OPEN CUP >330°F.; IF F.P. CHANGES DURING EVAPORATION GIVE DATA:

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER _____; UPPER _____

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES _____; NO X

D. FIRE POINT °F >360°F.; AUTO IGNITION TEMPERATURE °F 800°F.

E. VAPOR DENSITY _____

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? Soot, CO, CO₂, phenolics, aldehydes, etc.

G. SUITABLE EXTINGUISHING AGENTS: Use CO₂ or dry foam extinguishing agents.

12. INFORMATION FURNISHED BY: R. E. Kelly, M. D.
TITLE: Medical Director
COMPANY: Monsanto-Company
ADDRESS: 800 North Lindbergh
St. Louis, Missouri 63166
DATE: September 30, 1970

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.